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SONY BRAVIA FW-65X8501D REFERENCE MANUAL

Quick Links

Parts and Controls
Controls and Indicators
Connection Diagram
Specifications

Table of Contents

Table of Contents
Safety information
Precautions
Controls and Indicators
Remote Control Parts Description
Using the supplied Wall-Mount Bracket (KD-75X9400D, KD-65/55X9300D only)
Using the optional Wall-Mount Bracket
SU-WL500 (KD-85/75X8500D, KD-75X9400D only)
SU-WL450
only)
KD-65/55X8500D, FW-65/55X8501D
Troubles and Solutions
Other ManualsLib Projects

SONY

Television

Reference Guide

BRAVIA

KD-85X8500D / 75X9400D / 75X8500D / 65X9300D / 65X8500D / 55X9300D
KD-55X8500D
FW-65X8501D / 55X8501D

Table of Contents

Safety information 2
Precautions 7
Parts and Controls 9
Controls and Indicators 9
Using Remote Control 10
Remote Control Parts Description 10
Connection Diagram 12
Installing the TV to the Wall 15
Using the supplied Wall-Mount Bracket (KD-75X9400D, KD-65/55X9300D only) . . . 15
Using the optional Wall-Mount Bracket . . . 16
SU-WL500 (KD-85/75X8500D, KD-75X9400D only). 18
SU-WL450 (KD-65/55X9300D, KD-65/55X8500D, FW-65/55X8501D only). 22
Troubleshooting 26
Troubles and Solutions 26
Specifications 27

Introduction

Thank you for choosing this Sony product.
Before operating the TV, please read this manual thoroughly and retain it for future reference.

Note

- Before operating the TV, please read the "Safety information" (page 2).
- Instructions about "Installing the TV to the Wall" are included within this TV's instruction manual.
- Images and illustrations used in the Setup Guide and this manual are for reference only and may differ from the actual product.

Location of the Setup Guide

Setup Guide is placed on top of the cushion inside the TV carton.

Help Guide

Help Guide explains the information on how to use the TV's features. To display Help Guide on the TV, press **HELP** on the remote control and select [Help Guide].

Location of the identification label

Labels for the TV Model No. and Power Supply rating are located on the rear of the TV.

For models with supplied AC adapter:
Labels for the AC adapter Model No. and Serial No. are located on the bottom of the AC adapter.

Notice for customers in Thailand

This telecommunication equipment conforms to NTC technical requirement.

Notes for Australia and New Zealand model

This product is ENERGY RATING qualified in the default mode. ENERGY RATING is a programme designed to promote energy efficient products and practices.

- When the TV is initially set up, it is designed to meet ENERGY RATING requirements while maintaining optimum picture quality.
- Changes to certain features, settings and functionalities of this TV (e.g. TV Guide, Picture/Sound, Eco setting) can slightly change the power consumption.

Depending upon such changed settings (e.g. Shop mode), the power consumption may vary which possibly could exceed the stated energy rating.
To reset the TV to ENERGY RATING qualified settings, complete the initial set-up procedure in [Settings] ⟶ [Storage & reset] ⟶ [Factory data reset].
After factory data reset, downloaded application data will be deleted. Please download them again.

Safety information

WARNING

Batteries must not be exposed to excessive heat such as sunshine, fire or the like.
Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

– Using cabinets or stands recommended by the manufacturer of the television set.
– Only using furniture that can safely support the television set.
– Ensuring the television set is not overhanging the edge of the supporting furniture.
– Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
– Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
– Educating children about the dangers of climbing on furniture to reach the television set or its controls.

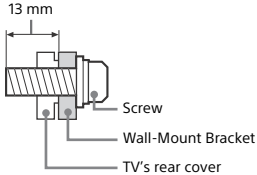
If your existing television set is being retained and relocated, the same considerations as above should be applied.

Installation/Set-up

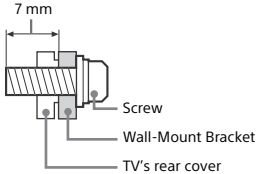
Install and use the TV set in accordance with the instructions below in order to avoid any risk of fire, electric shock or damage and/or injuries.

Installation

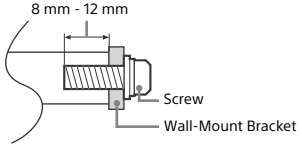
- The TV set should be installed near an easily accessible AC power outlet (mains socket).
- Place the TV on a stable, level surface to prevent it from falling over and causing personal injury or property damage.
- Install the TV where it cannot be pulled, pushed, or knocked over.
- Only qualified service personnel should carry out wall-mount installations.
- For safety reasons, it is strongly recommended that you use Sony accessories, including:
  — Supplied Wall-Mount Bracket (KD-75X9400D, KD-65/55X9300D only)
  — Wall-Mount Bracket SU-WL500 (KD-85/75X8500D, KD-75X9400D only)
  — Wall-Mount Bracket SU-WL450 (Except KD-85/75X8500D, KD-75X9400D)
- Be sure to use the screws supplied with the Wall-Mount Bracket when attaching the Wall-Mount Bracket to the TV set. The supplied screws are designed as indicated by illustration when measured from the attaching surface of the Wall-Mount Bracket. The diameter and length of the screws differ depending on the Wall-Mount Bracket model.
  Use of screws other than those supplied may result in internal damage to the TV set or cause it to fall, etc.
  — Supplied Wall-Mount Bracket
  KD-75X9400D only



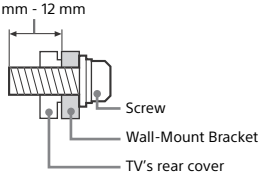
KD-65/55X9300D only



— Optional Wall-Mount Bracket
KD-75X9400D, KD-65/55X9300D only



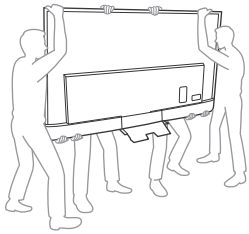
Except KD-75X9400D, KD-65/55X9300D

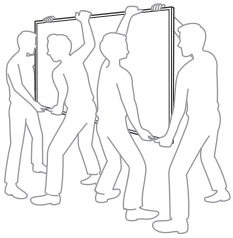


Transporting

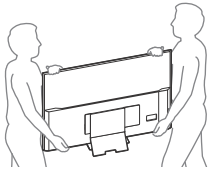
- Before transporting the TV set, disconnect all cables.
- Two or more people (four or more people for KD-85X8500D) are needed to transport a large TV set.
- When transporting the TV set by hand, hold it as shown below. Do not put stress on the LCD panel and the frame around the screen.

KD-85X8500D

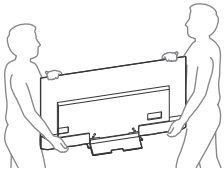




KD-75X9400D, KD-65/55X9300D



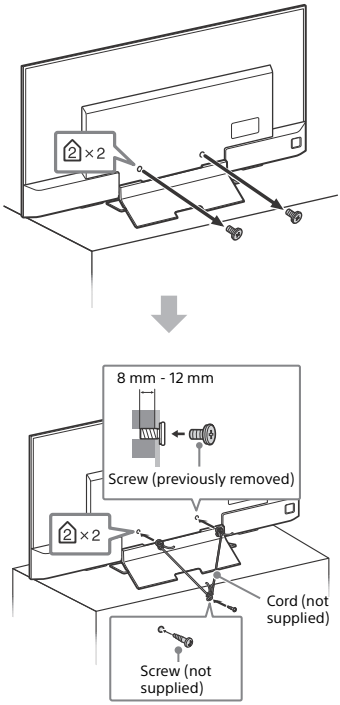
KD-75/65/55X8500D, FW-65/55X8501D



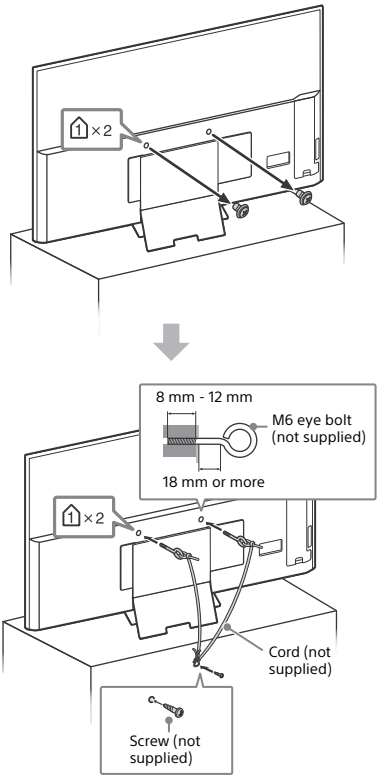
- When transporting the TV set, do not subject it to jolts or excessive vibration.
- When transporting the TV set for repairs or when moving, pack it using the original carton and packing material.

Topple prevention

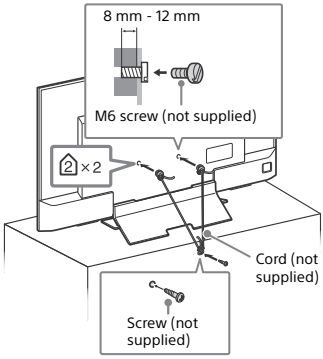
KD-85/75/65X8500D, FW-65X8501D



KD-75X9400D, KD-65/55X9300D



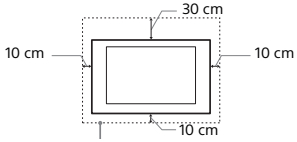
KD-55X8500D, FW-55X8501D



Ventilation

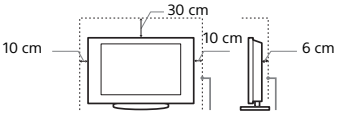
- Never cover the ventilation holes or insert anything in the cabinet.
- Leave space around the TV set as shown below.
- It is strongly recommended that you use a Sony Wall-Mount Bracket in order to provide adequate air circulation.

Installed on the wall



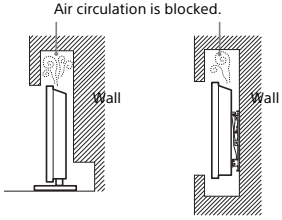
Leave at least this space around the set.

Installed with stand



Leave at least this space around the set.

- To ensure proper ventilation and prevent the collection of dirt or dust:
  - Do not lay the TV set flat, install upside down, backwards, or sideways.
  - Do not place the TV set on a shelf, rug, bed or in a closet.
  - Do not cover the TV set with a cloth, such as curtains, or items such as newspapers, etc.
  - Do not install the TV set as shown below.



AC power cord (mains lead)

Handle the AC power cord (mains lead) and outlet (mains socket) as follows in order to avoid any risk of fire, electric shock or damage and/or injuries:

- The shape of AC power plug (mains plug), which is supplied with the TV set, varies depending on the region. Be sure to connect the appropriate supplied AC power cord (mains lead) with the plug that fits into the AC power outlet (mains socket).
- Use only Sony supplied AC power cords (mains lead), not those of other brands.
- Insert the plug fully into the AC power outlet (mains socket).
- Operate the TV set on a 110 V - 240 V AC supply only (except models with supplied AC adapter).
- Operate the TV set on a 100 V - 240 V AC supply only (models with supplied AC adapter only).
- When wiring cables, be sure to unplug the AC power cord (mains lead) for your safety and take care not to catch your feet on the cables.
- Disconnect the AC power cord (mains lead) from the AC power outlet (mains socket) before working on or moving the TV set.
- Keep the AC power cord (mains lead) away from heat sources.
- Unplug the AC power plug (mains plug) and clean it regularly. If the plug is covered with dust and it picks up moisture, its insulation may deteriorate, which could result in a fire.

Note

- Do not use the supplied AC power cord (mains lead) on any other equipment.
- Do not pinch, bend, or twist the AC power cord (mains lead) excessively. The core conductors may be exposed or broken.
- Do not modify the AC power cord (mains lead).
- Do not put anything heavy on the AC power cord (mains lead).
- Do not pull on the AC power cord (mains lead) itself when disconnecting the AC power cord (mains lead).
- Do not connect too many appliances to the same AC power outlet (mains socket).
- Do not use a poor fitting AC power outlet (mains socket).

NOTE ON AC ADAPTER (models with supplied AC adapter only)

Warning

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus. Do not install this equipment in a confined space, such as a bookshelf or similar unit.

- Please ensure that the AC power outlet (mains socket) is installed near the equipment and shall be easily accessible.
- Be sure to use the supplied AC adapter and AC power cord (mains lead). Otherwise it may cause a malfunction.
- Connect the AC adapter to an easily accessible AC power outlet (mains socket).
- Do not coil the AC power cord (mains lead) around the AC adapter. The core wire may be cut and/or it may cause a malfunction of the TV.

- Do not touch the AC adapter with wet hands.
- If you notice an abnormality in the AC adapter, disconnect it from the AC power outlet (mains socket) immediately.
- The set is not disconnected from the AC source as long as it is connected to the AC power outlet (mains socket), even if the set itself has been turned off.
- As the AC adapter will become warm when it is used for a long time, you may feel hot when touching it by hand.

Prohibited Usage

Do not install/use the TV set in locations, environments or situations such as those listed below, or the TV set may malfunction and cause a fire, electric shock, damage and/or injuries.

Locations:

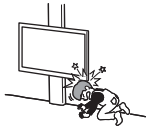
- Outdoors (in direct sunlight), at the seashore, on a ship or other vessel, inside a vehicle, in medical institutions, unstable locations, near water, rain, moisture or smoke.

Environments:

- Places that are hot, humid, or excessively dusty; where insects may enter; where it might be exposed to mechanical vibration, near flammable objects (candles, etc.). The TV set shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the TV.

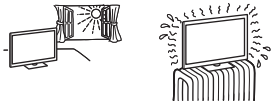
Situations:

- Use when your hands are wet, with the cabinet removed, or with attachments not recommended by the manufacturer. Disconnect the TV set from AC power outlet (mains socket) and antenna (aerial) during lightning storms.
- Install the TV so that it sticks out into an open space. Injury or damage from a person or object bumping into the TV may result.



- Place the TV in a humid or dusty space, or in a room with oily smoke or steam (near cooking tables or humidifiers). Fire, electric shock, or warping may result.

• Install the TV in places subject to extreme temperature such as in direct sunlight, near a radiator or a heating vent. The TV may overheat in such condition which can cause deformation of the enclosure and/or TV malfunction.



• If the TV is placed in the changing room of a public bath or hot spring, the TV may be damaged by airborne sulphur, etc.

• For best picture quality, do not expose the screen to direct illumination or sunlight.
• Avoid moving the TV from a cold area to a warm area. Sudden room temperature changes may cause moisture condensation. This may cause the TV to show poor picture and/or poor colour. Should this occur, allow moisture to evaporate completely before powering the TV on.

Broken pieces:

• Do not throw anything at the TV set. The screen glass may break by the impact and cause serious injury.
• If the surface of the TV set cracks, do not touch it until you have unplugged the AC power cord (mains lead). Otherwise this may cause an electric shock.

When not in use

• If you will not be using the TV set for several days, the TV set should be disconnected from the AC power (mains) for environmental and safety reasons.
• As the TV set is not disconnected from the AC power (mains) when the TV set is just turned off, pull the plug from the AC power outlet (mains socket) to disconnect the TV set completely.
• Some TV sets may have features that require the TV set to be left in standby to work correctly.

For children

• Do not allow children to climb on the TV set.
• Keep small accessories out of the reach of children, so that they are not mistakenly swallowed.

If the following problems occur...

Turn off the TV set and unplug the AC power cord (mains lead) immediately if any of the following problems occur.
Ask your dealer or Sony service centre to have it checked by qualified service personnel.

When:

— AC power cord (mains lead) is damaged.
— Poor fitting of AC power outlet (mains socket).
— TV set is damaged by being dropped, hit or having something thrown at it.
— Any liquid or solid object falls through openings in the cabinet.

About LCD TV Temperature

When the LCD TV is used for an extended period, the panel surrounds become warm. You may feel hot when touching there by the hand.

WALL-MOUNT BRACKET (models with supplied Wall-Mount Bracket only)

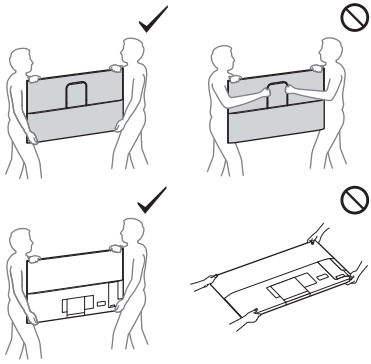
Below information shows the correct handling of the Wall-Mount Bracket. Be sure to read this information thoroughly and use the Wall-Mount Bracket correctly.

To Customers:

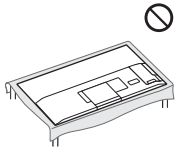
Be sure to observe the following precautions for safety to prevent a serious injury through fire, electric shock, the product toppling over, or the product dropping.
• Be sure to subcontract the installation to licensed contractors and keep small children away during installation.
• Be sure to subcontract moving or dismounting of the TV to licensed contractors.
• Do not remove screws, etc., after mounting the TV.
• Do not make alterations to the parts of the Wall-Mount Bracket.
• Do not mount any equipment other than the specified product.
• Do not apply any load other than the TV on the Wall-Mount Bracket.
• Do not lean on or hang from the TV.
• Do not handle the TV with excessive force during cleaning or maintenance.

To Sony Dealers and Contractors:

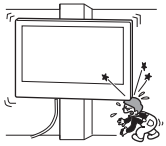
The following instructions are for Sony dealers and contractors only. Be sure to read safety precautions described below and pay special attention to safety during the installation, maintenance and checking of this product.
• When handling or mounting the TV set, hold it on the sides. Do not lift the TV by the U-shaped Bar.



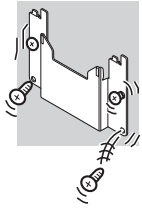
• When handling or mounting the TV set, do not lay down the TV.



• Do not install the Wall-Mount Bracket on wall surfaces where the corners or the sides of the TV are protruding away from the wall surface.

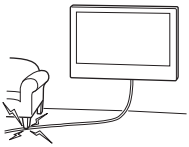


• Do not install the TV over or under an air conditioner.
• Be sure to install the Wall-Mount Bracket securely to the wall following the instructions in the supplied Wall-Mount Bracket Installation Guide. If any of the screws are loose or fall out, the Wall-Mount Bracket may fall and cause injury or property damage.
• Be sure to use the supplied screws and attachment parts properly following the instructions given in the supplied Wall-Mount Bracket Installation Guide. If you use substitute items, the TV may fall and cause bodily injury to someone or damage to the TV.



• Be sure to assemble the bracket properly following the instructed procedure explained in the supplied Wall-Mount Bracket Installation Guide.
• Be sure to tighten the screws securely in the designated position.
• Be careful not to subject the TV to shock during installation.
• Be sure to install the TV on a wall that is both perpendicular and flat.

- After proper installation of the TV, secure the cables properly.
- Do not allow the AC power cord (mains lead) or the connecting cables to be pinched as the internal conductors may become exposed and cause a short circuit or an electrical break.



Precautions

Viewing the TV

- View the TV in moderate light, as viewing the TV in poor light or during long period of time, strains your eyes.
- When using headphones, adjust the volume so as to avoid excessive levels, as hearing damage may result.

(3D compatible models only)

- Some people may experience discomfort (such as eye strain, fatigue, or nausea) while watching 3D video images or playing stereoscopic 3D games. Sony recommends that all viewers take regular breaks while watching 3D video images or playing stereoscopic 3D games. The length and frequency of necessary breaks will vary from person to person. You must decide what works best. If you experience any discomfort, you should stop watching the 3D video images or playing stereoscopic 3D games until the discomfort ends; consult a doctor if you believe necessary. You should also review (i) the instruction manual of any other device or media used with this television and (ii) our website (http://www.sony-asia.com/support) for the latest information. The vision of young children (especially those under six years old) is still under development. Consult your doctor (such as a pediatrician or eye doctor) before allowing young children to watch 3D video images or play stereoscopic 3D games. Adults should supervise young children to ensure they follow the recommendations listed above.
- Do not use, store, or leave the 3D Glasses or battery near a fire, or in places with a high temperature, e.g., in direct sunlight, or in sun-heated cars.

LCD Screen

- Although the LCD screen is made with high-precision technology and 99.99 % or more of the pixels are effective, black dots may appear or bright points of light (red, blue, or green) may appear constantly on the LCD screen. This is a structural property of the LCD screen and is not a malfunction.
- Do not push or scratch the front filter, or place objects on top of this TV set. The image may be uneven or the LCD screen may be damaged.
- If this TV set is used in a cold place, a smear may occur in the picture or the picture may become dark. This does not indicate a failure. These phenomena disappear as the temperature rises.
- Ghosting may occur when still pictures are displayed continuously. It may disappear after a few moments.
- The screen and cabinet get warm when this TV set is in use. This is not a malfunction.
- The LCD screen contains a small amount of liquid crystal. Follow your local ordinances and regulations for disposal.

Handling and cleaning the screen surface/ cabinet of the TV set

Be sure to unplug the AC power cord (mains lead) connected to the TV set from AC power outlet (mains socket) before cleaning. To avoid material degradation or screen coating degradation, observe the following precautions.

- To remove dust from the screen surface/cabinet, wipe gently with a soft cloth. If dust is persistent, wipe with a soft cloth slightly moistened with a diluted mild detergent solution.
- Never spray water or detergent directly on the TV set. It may drip to the bottom of the screen or exterior parts and enter the TV set, and may cause damage to the TV set.

- Never use any type of abrasive pad, alkaline/acid cleaner, scouring powder, or volatile solvent, such as alcohol, benzene, thinner or insecticide. Using such materials or maintaining prolonged contact with rubber or vinyl materials may result in damage to the screen surface and cabinet material.
- Do not touch the TV if your hand is covered in any chemical substance such as hand cream or sunblock.
- Periodic vacuuming of the ventilation openings is recommended to ensure proper ventilation.
- When adjusting the angle of the TV set, move it slowly so as to prevent the TV set from moving or slipping off from its table stand.

Optional Equipment

Keep optional components or any equipment emitting electromagnetic radiation away from the TV set. Otherwise picture distortion and/or noisy sound may occur.

Wireless Function of the unit

- Do not operate this unit near medical equipment (pacemaker, etc.), as this may result in the malfunction of the medical equipment.
- Although this unit transmits/receives scrambled signals, be careful of unauthorised interception. We cannot be responsible for any trouble as a result.

Caution about handling the remote control

- Observe the correct polarity when inserting batteries.
- Do not use different types of batteries together or mix old and new batteries.
- Dispose of batteries in an environmentally friendly way. Certain regions may regulate the disposal of batteries. Please consult your local authority.
- Handle the remote control with care. Do not drop or step on it, or spill liquid of any kind onto it.
- Do not place the remote control in a location near a heat source, a place subject to direct sunlight, or a damp room.

WALL-MOUNT BRACKET (models with supplied Wall-Mount Bracket only)

- If you use the TV installed on the Wall-Mount Bracket for a long time, the wall behind or above the TV may become discoloured or the wallpaper may come unglued, depending on the material of the wall.
- If the Wall-Mount Bracket is removed after installing it on the wall, the screw holes remain.
- Do not use the Wall-Mount Bracket in a place where it is subjected to mechanical vibration.

Disposal of the TV set

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

Disposal of Old Electrical & Electronic Equipment (Applicable in Republic of India)

This symbol and its variations indicate that this product and its components, consumables, parts or spares thereof shall not be treated as household waste and may not be dropped in garbage bins. Product owners are advised to deposit their product at the nearest collection point for the recycling of electrical and electronic equipment. Your co-operation shall facilitate proper disposal and help prevent potential negative consequences/hazards to the environment and human health, which could otherwise be caused by inappropriate waste disposal including improper handling, accidental breakage, damage and/or improper recycling of e-waste. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local civic office, your household waste disposal service provider or the store where you made the purchase. You may contact our company's toll free number in India for assistance.

Toll Free: 1800-103-7799
Visit: www.sony.co.in for product recycling

Reduction in the Use of Hazardous Substances in Electrical & Electronic Equipment (Applicable in Republic of India)

This product and its components, consumables, parts or spares comply with the hazardous substances restriction of India's E-Waste (Management) Rules. The maximum allowable concentrations of the restricted substances are 0.1% by weight in homogenous materials for Lead, Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB) and Polybrominated Diphenyl Ethers (PBDE), and 0.01% by weight in homogenous materials for Cadmium, except for the exemptions specified in Schedule II of the aforesaid Rules.

Notice for customer in UAE

TRA

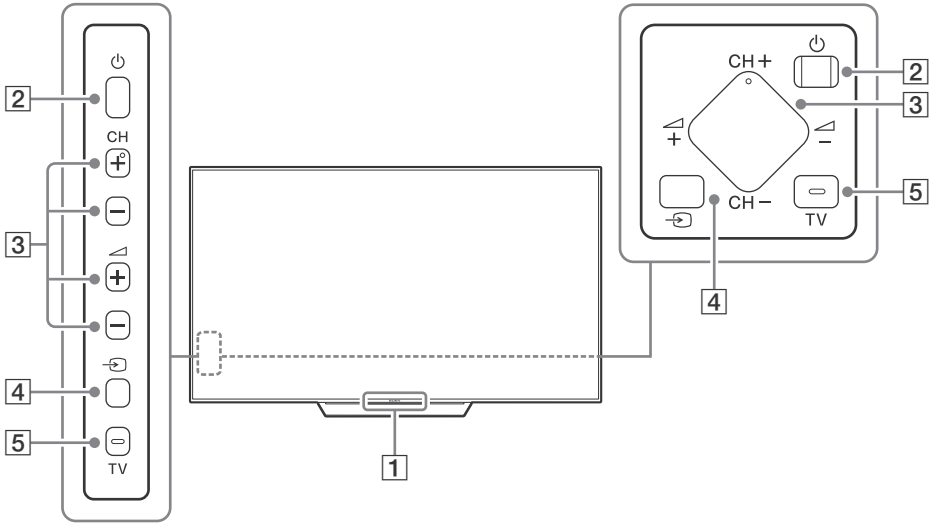
REGISTERED No: ER35215/14
DEALER No: DA0065531/11

Parts and Controls

Controls and Indicators

KD-75X9400D, KD-65/55X9300D only

Except KD-75X9400D, KD-65/55X9300D



1 Remote Control sensor*1 / Light sensor*1 / Illumination LED / 3D Sync Transmitter*1*2

The illumination LED lights up or blinks according to the status of the TV.

- White
  When turning on the TV/picture off mode/software update, etc.
- Cyan
  When connecting with a mobile device wirelessly.
- Pink*2
  Recording mode.
- Amber
  Timer is set.

2 ⏻ (Power)

3 CH +/- (Channel)
+/- (Volume)

4 (Input select)
Display and select the input source.

5 TV
Switch to a TV channel or input from other applications.

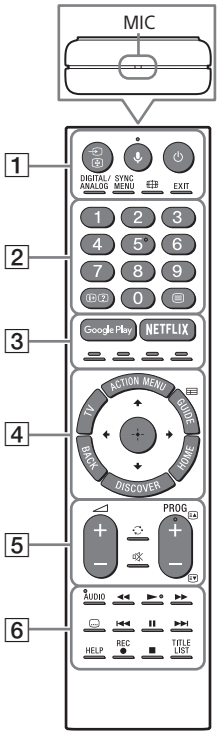
*1 Do not place anything near the sensor.

*2 Only on limited region/country/TV model.

Using Remote Control

Remote Control Parts Description

The remote control shape, location, availability and function of remote control button may vary depending on your region/country/TV model.



1 **/ (Input select/Text hold)**
In TV mode: Display and select the input source.
In Text mode: Hold the current page.

(Microphone)
Use Voice Function. (e.g., Search various content by voice.)

(TV standby)
Turn on or turn off the TV (standby mode).

DIGITAL/ANALOG
Switch between digital and analogue mode.

SYNC MENU
Display the BRAVIA Sync Menu.

(Wide mode)
Change the screen format.

EXIT
Return to the previous screen or exit from the menu. When an Interactive Application service is available, press to exit from the service.

2 **Number buttons**

/ (Info/Text reveal)
Display information.

(Text)
Display text information.

3 **Google Play**
Access the “Google Play” online service.

NETFLIX (Only on limited region/ country/TV model)
Access the “NETFLIX” online service.

Colour buttons
Execute corresponding function at that time.

4 **ACTION MENU**
Display a list of contextual functions.

TV
- Switch to a TV channel or input from other applications.
- Turn on the TV to display TV channel or input.

GUIDE/
Display the digital programme guide.

BACK
Return to previous screen.

HOME
Display the TV Home Menu.

DISCOVER
Bring up the Content Bar to search for content.

↑/↓/←/→/⊕ (Item select/Enter)

5 **+/– (Volume)**
Adjust the volume.

(Jump)
Jump back and forth between two channels or inputs. The TV alternates between the current channel or input and the last channel or input that was selected.

(Muting)
Mute the sound. Press again to restore the sound.

PROG +/–/▲/▼
In TV mode: Select the channel.
In Text mode: Select the next (▲) or previous (▼) page.

6 **AUDIO**
Change the language for the programme currently being viewed.

◀◀/▶/▶▶/⏮/⏸/⏭/■
Operate media contents on TV and connected BRAVIA Sync-compatible device.

(Subtitle setting)
Turn subtitles on or off (when the feature is available).

HELP
Display Help Menu. Help Guide can be accessed from here.

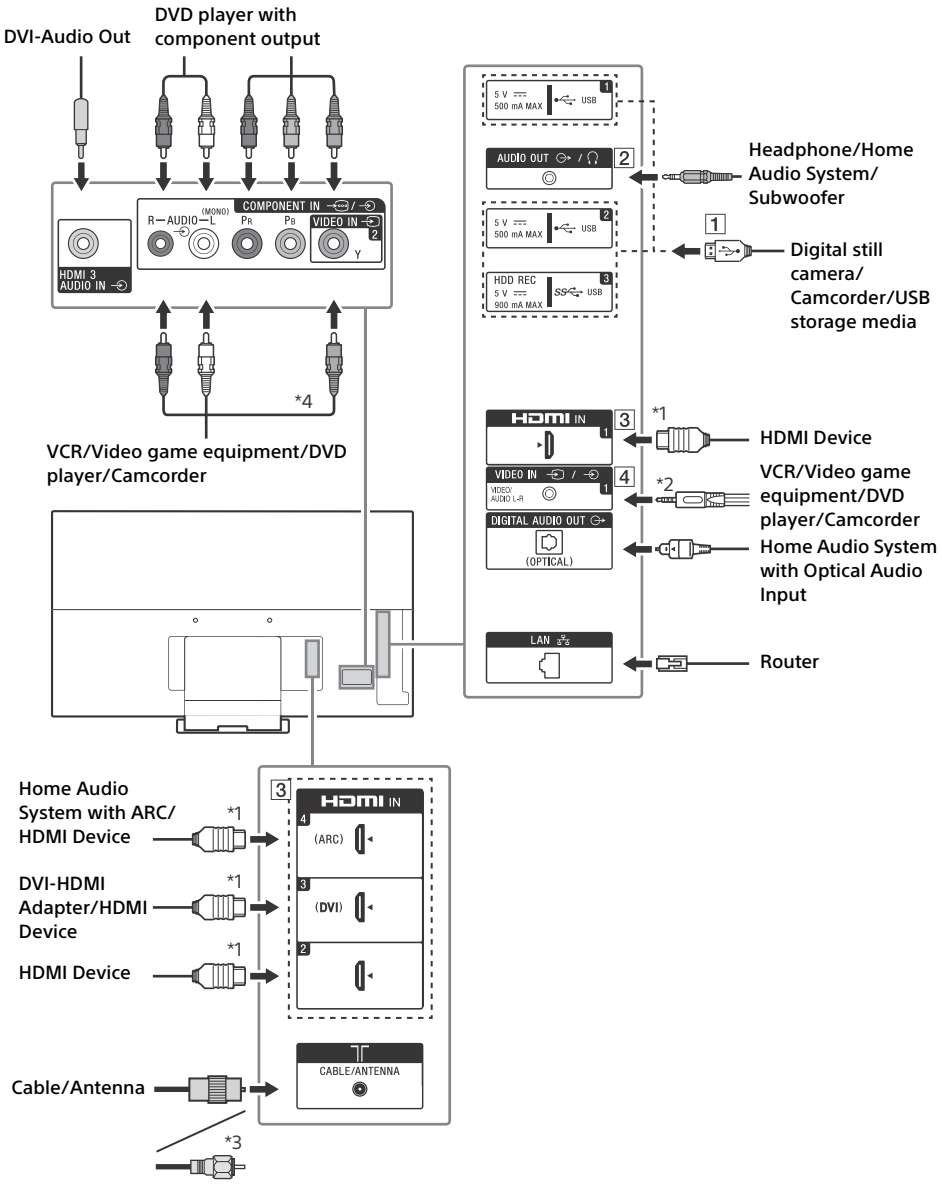
● REC
Record the current programme with the USB HDD recording function.

TITLE LIST
Display the Title list.

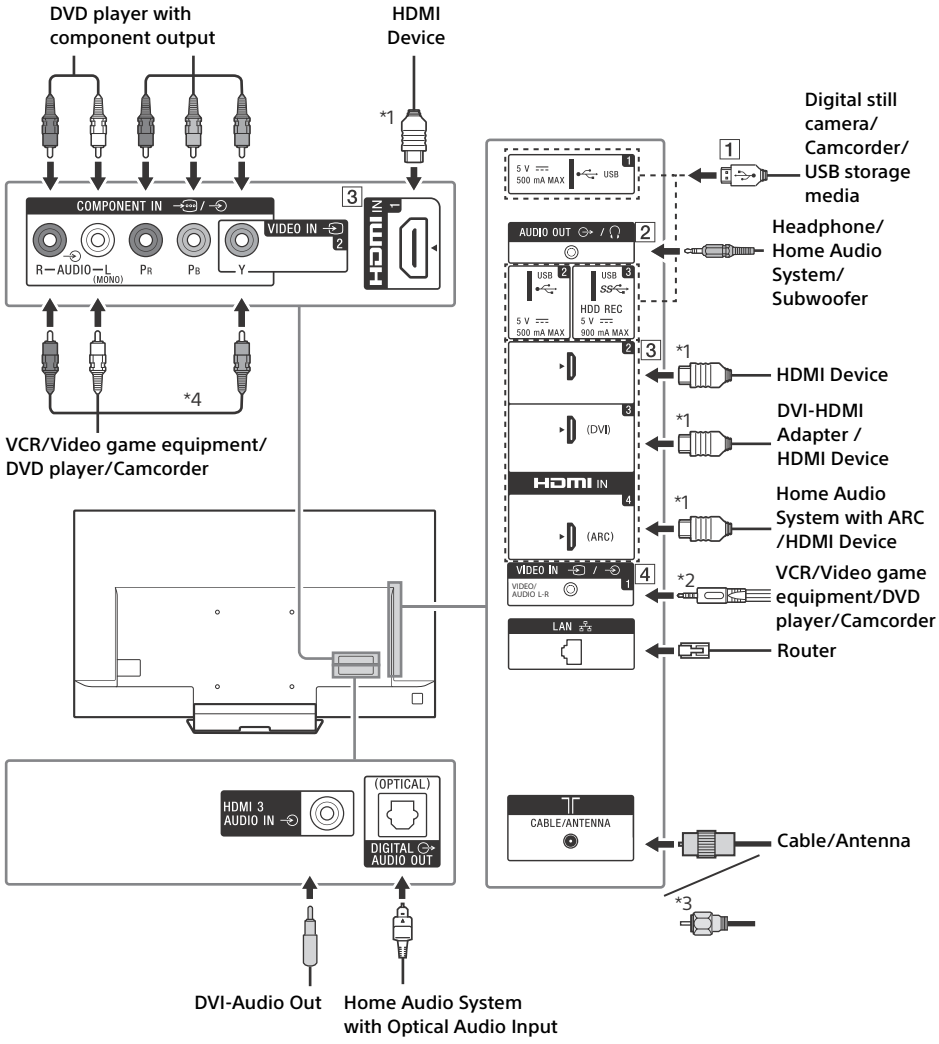
Connection Diagram

For more information on connections, refer to the Help Guide (page 2).

KD-85/75X8500D, KD-75X9400D, KD-65/55X9300D only



Except KD-85/75X8500D, KD-75X9400D, KD-65/55X9300D



1 **USB 1/2, USB 3 (HDD REC)*5**

- Connecting a large USB device may interfere with other connected devices beside it.
- When connecting a large USB device, connect to the USB 1 port.

2 **AUDIO OUT*6 /**

- To listen to the TV's sound through the connected equipment, press **HOME**. Select [Settings] → [Sound] → [Headphone/Audio out] and then select the desired item.

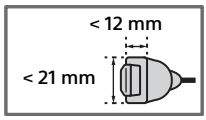
3 **HDMI IN 1/2/3/4**

- If the device has a DVI jack, connect it to HDMI IN 3 through a DVI - HDMI adaptor interface (not supplied), and connect the device's audio out jack to HDMI 3 AUDIO IN.
- If connecting a digital audio system that is compatible with Audio Return Channel (ARC) technology, use HDMI IN 4. If not, an additional connection with DIGITAL AUDIO OUT (OPTICAL) is necessary.

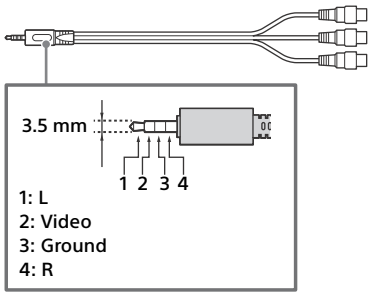
4 **/ VIDEO IN 1**

- For a composite connection, use the supplied Analogue Extension Cable*5.

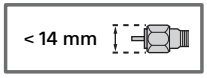
*1



*2



*3



*4 When connecting mono equipment, connect to the L (MONO) audio jack (socket).

*5 Only on limited region/country/TV model.

*6 Supports 3-pole stereo mini jack only.

Picture Quality

- AV composite cable
- Antenna (aerial) cable
- Component cable
- HDMI cable

Standard definition (SD) videos have picture signals with a vertical resolution of 480 (NTSC) or 576 (PAL/SECAM) lines.

High definition (HD) videos have picture signals with a vertical resolution of 720 or 1,080 lines. (For 4K vertical resolution: 2,160 lines)

Installing the TV to the Wall

Using the supplied Wall-Mount Bracket (KD-75X9400D, KD-65/55X9300D only)

To Customers

Sufficient expertise is required for installing this product. Be sure to subcontract the installation to Sony dealers or licensed contractors and pay special attention to safety during the installation. Sony is not liable for any damages or injury caused by mishandling or improper installation, or installing any other than the specified product. Your Statutory Rights (if any) are not affected.

To Sony Dealers and Contractors

Sufficient expertise is required for installing this product. Be sure to read this instruction manual thoroughly to do the installation work safely. Sony is not liable for any damages or injury caused by mishandling or improper installation.

Note

- See page 2 (Safety information) and page 7 (Precautions) on WALL-MOUNT BRACKET before carrying out Wall-Mount Bracket installation.
- When attaching the Table-Top Stand again, be sure to fasten the screws (previously removed) to the original holes on the rear of the TV.
- Make sure that the wall has enough space for the TV and is capable of supporting a weight of at least four times that of the TV. See page 27-29 (Specifications) for the TV's weight.

For instructions on Wall-Mount Bracket installation of your TV model, refer to the supplied Wall-Mount Bracket Installation Guide.

Using the optional Wall-Mount Bracket

This TV's instruction manual only shows the steps on preparing the installation of the TV before installing to the wall.

To Customers:

For product protection and safety reasons, Sony strongly recommends that installation of your TV be performed by Sony dealers or licensed contractors. Do not attempt to install it yourself.

To Sony Dealers and Contractors:

Provide full attention to safety during the installation, periodic maintenance and examination of this product.

Sufficient expertise is required for installing this product, especially to determine the strength of the wall for withstanding the TV's weight. Be sure to entrust the attachment of this product to the wall to Sony dealers or licensed contractors and pay adequate attention to safety during the installation. Sony is not liable for any damage or injury caused by mishandling or improper installation.

Use the Wall-Mount Bracket SU-WL500 (not supplied) (KD-85/75X8500D, KD-75X9400D) or SU-WL450 (not supplied) (KD-65/55X9300D, KD-65/55X8500D, FW-65/55X8501D) to install the TV to the wall.
When installing the Wall-Mount Bracket, also refer to the Operating Instructions and Installation Guide supplied with the Wall-Mount Bracket.

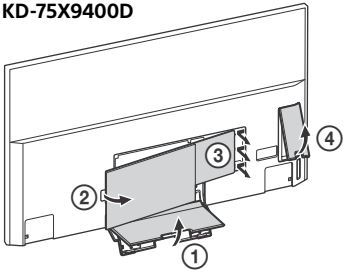
Note

- Be sure to store the removed screws in a safe place, keeping them away from children.

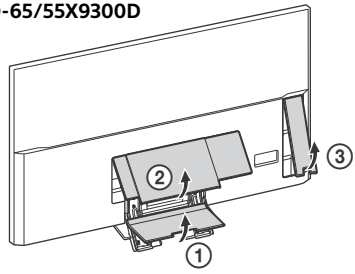
KD-75X9400D, KD-65/55X9300D only

1 Remove the stand cover and terminal covers.

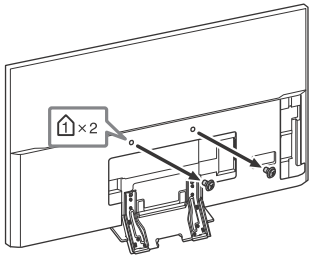
KD-75X9400D



KD-65/55X9300D

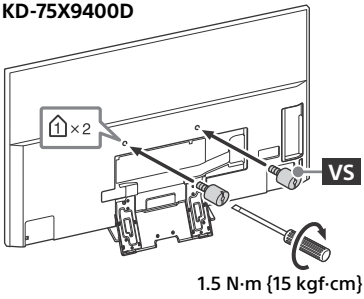


2 Remove the screws from the rear of the TV.

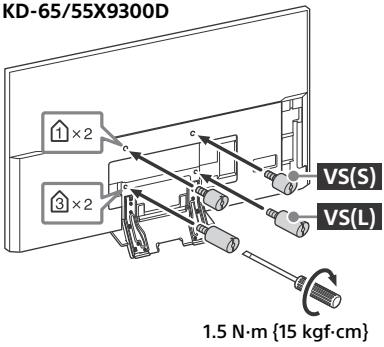


3 Attach the Wall-Mount Attachment (supplied with the TV) to the rear of the TV (to make it parallel with the wall).

KD-75X9400D



KD-65/55X9300D

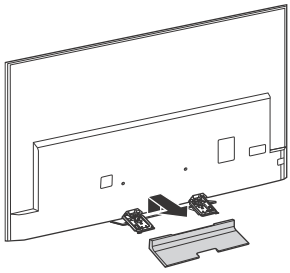


Note

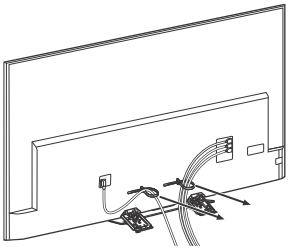
- If using an electric screwdriver, set the torque at approximately 1.5 N·m {15 kgf·cm}.
- Be sure to fasten the Wall-Mount Attachment when attaching them to the TV. Use only a flat head screwdriver to install the Wall-Mount Attachment. Use of another tool might result in over torqueing the Wall-Mount Attachment and damaging the TV.

Except KD-75X9400D, KD-65/55X9300D

1 Remove the stand cover. (KD-85/75X8500D only)

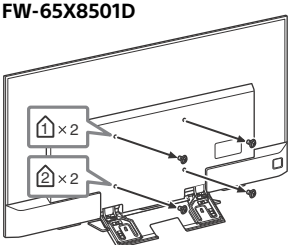


2 Detach the cable holders. (KD-85/75X8500D only)

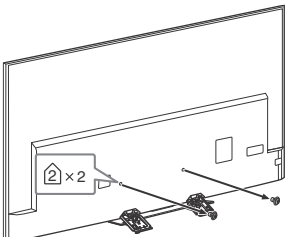


3 Remove the screws from the rear of the TV.

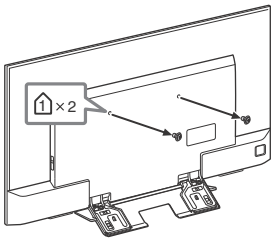
KD-85/65X8500D, FW-65X8501D



KD-75X8500D



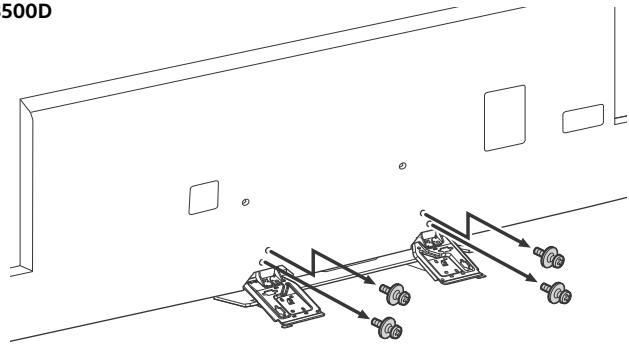
KD-55X8500D, FW-55X8501D



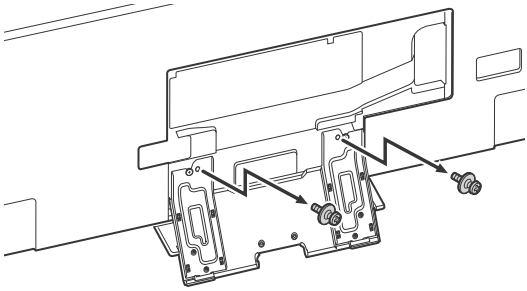
SU-WL500 (KD-85/75X8500D, KD-75X9400D only)

1 Remove the screws.

KD-85/75X8500D



KD-75X9400D

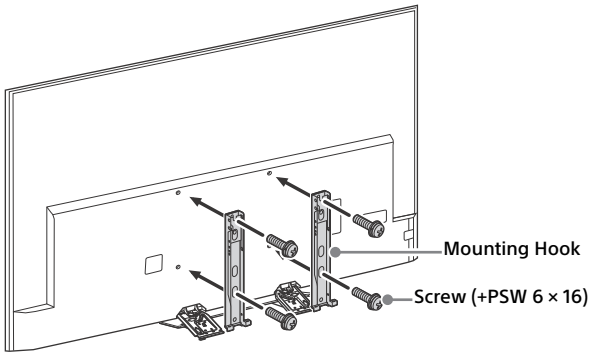


2 Attach the Mounting Hook using the four screws supplied with the Wall-Mount Bracket.

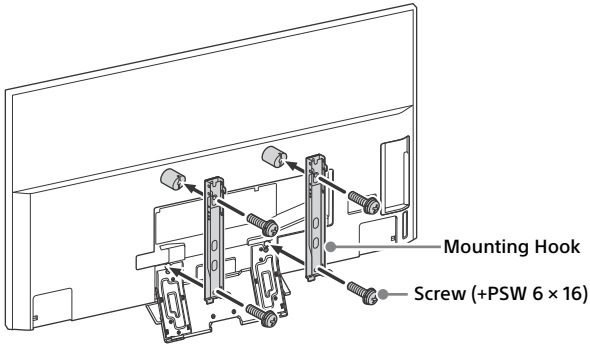
Note

- If using an electric screwdriver, set the torque at approximately 1.5 N·m {15 kgf·cm}.
- Be sure to store the unused parts in a safe place for future use. Retain this manual for future reference.

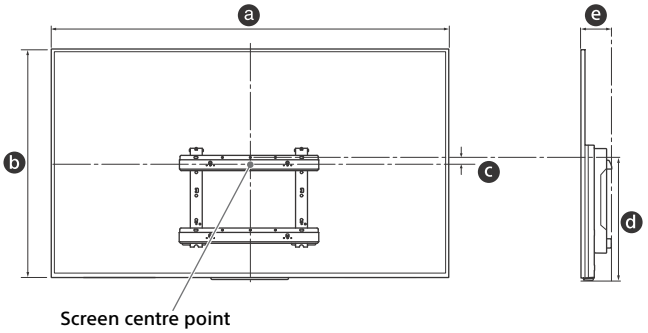
KD-85/75X8500D



KD-75X9400D



3 Make sure that the wall has enough space for the TV and is capable of supporting a weight of at least four times that of the TV. Refer to the following table on installing the TV to the wall. See page 27-29 (Specifications) for the TV's weight.



Unit: mm

Model Name KD-	Display dimensions		Screen centre dimension	Length for mounting Angle (0°)	
	a	b	c	d	e
85X8500D	1,917	1,109	–104*	455	111
75X9400D	1,672	960	29	514	113
75X8500D	1,677	969	–44*	447	109

* Bracket positioning is below the screen centre point.

Note

- Only applicable for 0° for this TV model.
- Figures in the table may differ slightly depending on the installation.

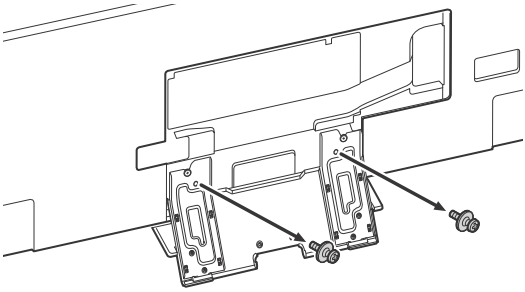
4 Connect necessary cables to the TV.

Note

- You cannot access to any terminal after installing the TV to the wall.

5 Detach the Table-Top Stand from the TV. Depending on your TV model, the screws may have already been removed in step 1 and you can directly detach the Table-Top Stand.

KD-75X9400D only

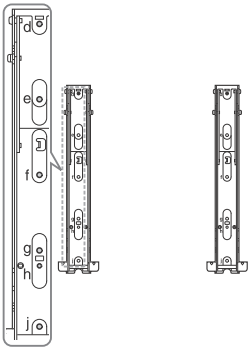


6 Install the TV on the wall.

Model Name KD-	Screw location	Hook location
85X8500D 75X8500D	d, g	a
75X9400D	e, j	a

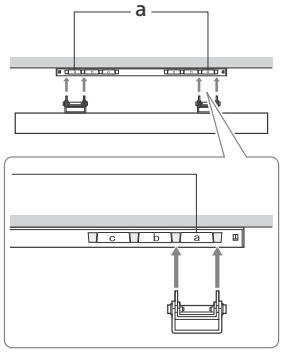
Screw location

When installing the Mounting Hook on the TV.



Hook location

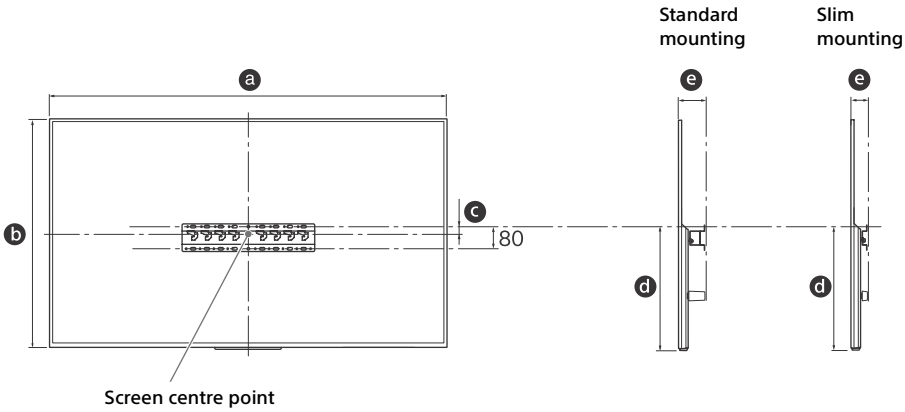
When installing the TV onto the Base Bracket.



Refer to the instructions supplied with the Wall-Mount Bracket for your model to install the TV on the wall.

SU-WL450 (KD-65/55X9300D, KD-65/55X8500D, FW-65/55X8501D only)

1 Make sure that the wall has enough space for the TV and is capable of supporting a weight of at least four times that of the TV.
Refer to the following table on installing the TV to the wall. See page 27-29 (Specifications) for the TV's weight.



Unit: mm

Model Name KD-/FW-	Display dimensions		Screen centre dimension	Length for mounting		
	a	b	c	d	e	
					Standard mounting	Slim mounting
65X9300D	1,458	839	25	449	102	61
65X8501D 65X8500D	1,454	842	56	483	102	60
55X9300D	1,239	717	87	450	102	61
55X8501D 55X8500D	1,231	717	129	494	102	60

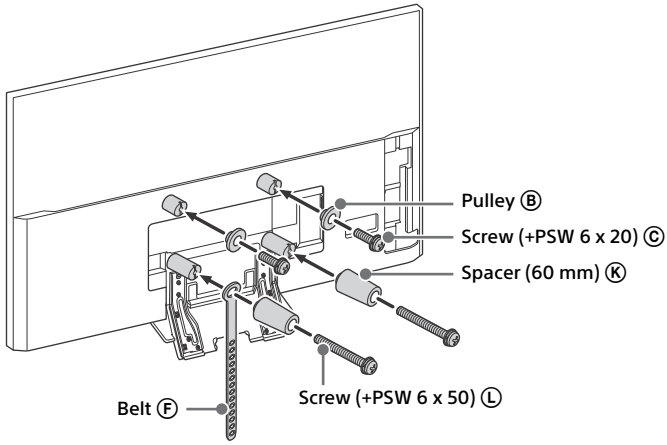
Note
- Figures in the table may differ slightly depending on the installation.
- When your TV is installed on the wall, the upper side of the TV slightly leans forward.

2 Attach the Attachment parts for Wall-Mount Bracket. Check the Attachment parts by referring to “1” of the Wall-Mount Bracket Installation Guide.

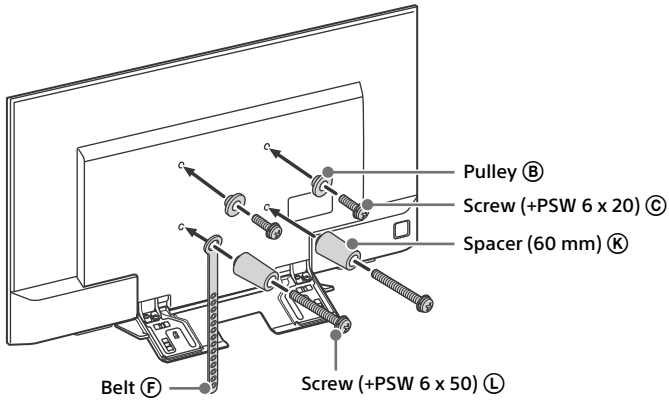
Note

- If using an electric screwdriver, set the torque at approximately 1.5 N·m {15 kgf·cm}.
- Be sure to store the unused parts in a safe place for future use. Retain this manual for future reference.

Standard mounting
KD-65/55X9300D



KD-65/55X8500D, FW-65/55X8501D

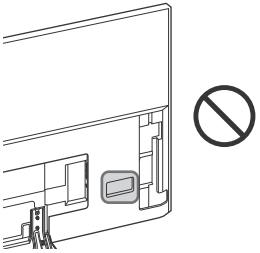


Slim mounting

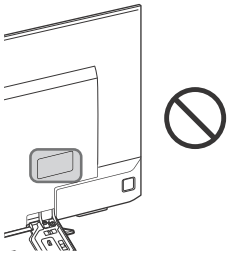
Note

- You cannot use some of the terminals on the rear of the TV when using this mounting style. Connect the Analogue Extension Cable (Availability depends on countries/regions/TV models) if you need to use the →/← VIDEO IN 1 jack.

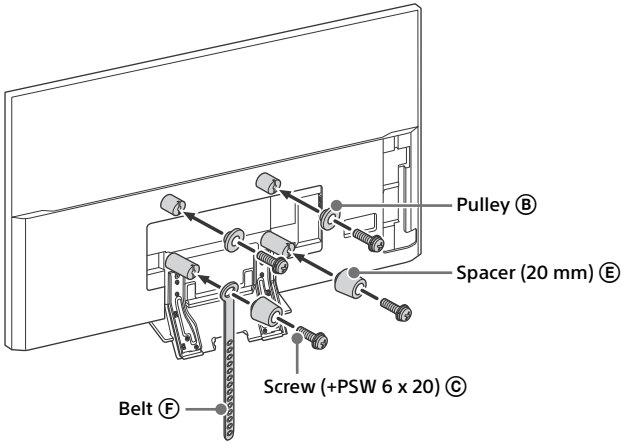
KD-65/55X9300D



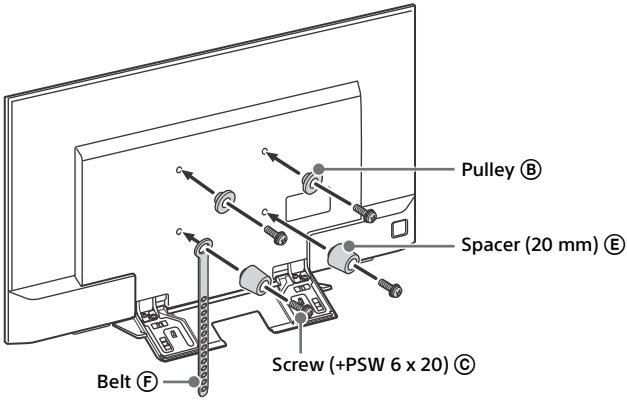
KD-65/55X8500D, FW-65/55X8501D



KD-65/55X9300D



KD-65/55X8500D, FW-65/55X8501D



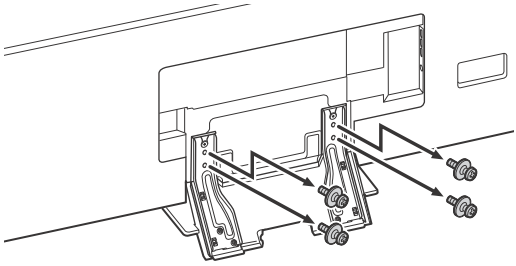
3 Connect necessary cables to the TV.

Note

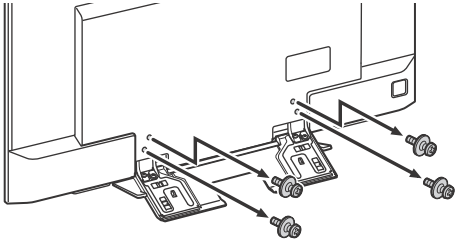
- You cannot access to any terminal after installing the TV to the wall.

4 Detach the Table-Top Stand from the TV.

KD-65/55X9300D

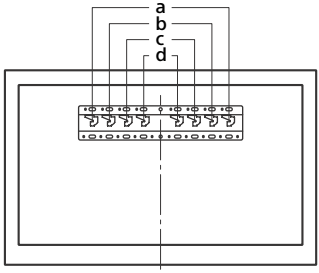


KD-65/55X8500D, FW-65/55X8501D



5 Install the TV to the Base. Refer to “5” of Installation Guide and “Installing the TV to the Wall” of Operating Instructions supplied with the Wall-Mount Bracket.

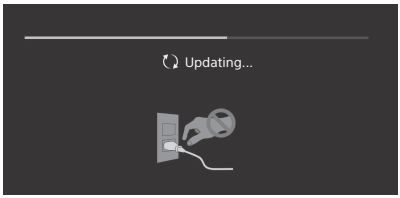
Model Name KD-/FW-	Hook location
65X9300D 65X8501D 65X8500D 55X9300D	b
55X8501D 55X8500D	c



Refer to the instructions supplied with the Wall-Mount Bracket for your model to install the TV on the wall.

Troubleshooting

In order to keep your TV software up-to-date, it is necessary to download the latest software information via the digital broadcasting system or internet and to update the software. Select [Update Now] to start a software update. The illumination LED flashes white while the software is updating.
The following screen with [Updating...] will appear while software is updating.



Do not unplug the AC power cord (mains lead) during the software update. If you do, the software update may not finish completely, and it may cause a software malfunction. Software updates can take up to 30 minutes. If you do not wish to update the software automatically, press **HOME** and select [Help] → [System software update] → [Automatic software download] → [Off].

When you plug in TV, the TV may not be able to turn on for a while even if you press the power button on the remote control or the TV, because it takes time to initialize the system. Wait for about one minute, then operate it again. When you turn on by pressing the power button on the remote control or the TV, it takes some time to turn on the illumination LED and for the remote control to be functional.

When the illumination LED is flashing in red, count how many times it flashes (interval time is three seconds).
If the illumination LED flashes red, reset the TV by disconnecting the AC power cord (mains lead) for two minutes, then turn on the TV.
If the problem persists, contact your dealer or Sony service centre with the number of times the illumination LED flashes red (interval time is three seconds). Disconnect the AC power cord (mains lead), and inform your dealer or Sony service centre.

When the illumination LED is not flashing, check the items as follows.
You can also refer to troubleshooting in the Help Guide or perform self-diagnosis by selecting [Help] → [Self diagnostics]. If the problem persists, have your TV serviced by qualified service personnel.

Troubles and Solutions

There is no picture (screen is dark) and no sound.

- Check the antenna (aerial)/cable connection.
- Connect the TV to the AC power (mains), and press ⏻ on the TV or remote control.

Some programmes cannot be tuned.

- Check the antenna (aerial)/cable connection.

The remote control does not function.

- Replace the batteries.

The [Parental lock (Broadcast)] password has been forgotten.

- Enter 9999 for the PIN code. Update PIN code by selecting [Settings] → [Parental lock (Broadcast)] → [Change PIN code].

The TV surrounds become warm.

- When the TV is used for an extended period, the TV surrounds become warm.
  You may feel hot when touching there by the hand.

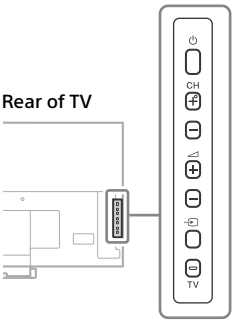
Frozen audio or video, a blank screen, or the TV does not respond to TV or remote control buttons.

- Perform a simple reset of the TV by unplugging the AC power cord (mains lead) for two minutes, then plug it in again.

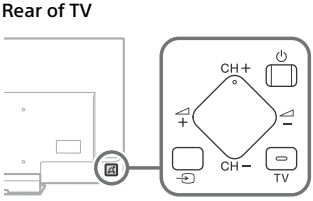
The ⏻, CH+/–, +/–, ⏎ and TV buttons cannot be located on the TV.

- See below illustration for location of the buttons on the TV.

KD-75X9400D, KD-65/55X9300D only

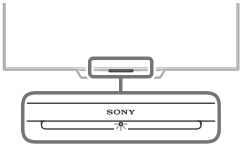


Except KD-75X9400D, KD-65/55X9300D



The illumination LED is turned on.

- If you do not wish to light up the illumination LED, you can turn it off.
  Press **HOME**, then select [Settings] → [Illumination LED] → [Off].



Cannot connect to a wireless router by WPS (Wi-Fi Protected Setup).

- If you use WEP security, select [Easy] → [Wi-Fi] → [Connect by scan list]. Then, select the network name (SSID) you want to connect.

Cannot find the required network name in network setup.

- Select [[Manual entry]] and press ⊕ to enter network name.

Specifications

System

Panel system
LCD (Liquid Crystal Display) Panel, LED Backlight

TV system
Depend on your country/area selection
Analogue: B/G, I, D/K, M
Digital: DVB-T/DVB-T2

Colour system
PAL, SECAM, NTSC3.58, NTSC4.43

Channel coverage
Depend on your country/area selection
Analogue: UHF/VHF/Cable
Digital: UHF/VHF

Sound output
KD-85/65/55X8500D, FW-65/55X8501D:
10 W + 10 W
KD-75X9400D, KD-75X8500D, KD-65/55X9300D:
7.5 W + 7.5 W + 7.5 W + 7.5 W

Wireless technology
Protocol IEEE802.11ac/a/b/g/n
(IEEE802.11ac may not be available depending on countries/regions.)
Bluetooth Version 4.1

Input/Output jacks

Antenna (aerial)/cable
75 ohm external terminal for VHF/UHF

⏎/⏎ VIDEO IN 1
Video/Audio input (mini jack)

⏎/⏎ COMPONENT IN
$Y P_B P_R$ (Component Video): 1080p (50, 60 Hz), 1080i (50, 60 Hz), 720p (50, 60 Hz), 576p, 576i, 480p, 480i
Audio input (phono pin jack)

⏎ VIDEO IN 2
Video input (common phono pin with Y input)

HDMI IN 1, 2, 3, 4 (support 4K resolution, HDCP 2.2-compatible)
Video (2D):
4096 × 2160p (50, 60 Hz)*, 4096 × 2160p (24 Hz)*, 3840 × 2160p (50, 60 Hz), 3840 × 2160p (24, 25, 30 Hz), 1080p (30, 50, 60 Hz), 1080/24p, 1080i (50, 60 Hz), 720p (30, 50, 60 Hz), 720/24p, 576p, 576i, 480p, 480i, PC Formats
*3840 × 2160p is displayed when 4096 × 2160p is input

Video (3D) (3D compatible models only):
Frame Packing: 1080p (30 Hz), 1080/24p, 1080i (50, 60 Hz), 720p (30, 50, 60 Hz), 720/24p
Side-by-Side: 1080p (50, 60 Hz), 1080/24p, 1080i (50, 60 Hz), 720p (50, 60 Hz)
Over-Under: 1080p (30, 50, 60 Hz), 1080/24p, 1080i (50, 60 Hz), 720p (50, 60 Hz)
Audio: 5.1 channel linear PCM: 32, 44.1, 48, 88.2, 96, 176.4 and 192 kHz, 16, 20 and 24 bits, Dolby Digital and DTS
ARC (Audio Return Channel) (HDMI IN 4 only)

DIGITAL AUDIO OUT (OPTICAL)
Digital optical jack (Two channel linear PCM, Dolby Digital, DTS)

HDMI 3 AUDIO IN
Analogue audio input (Stereo mini jack)

AUDIO OUT /
Headphone, Audio output, Subwoofer

1, 2, SS 3 (HDD REC)*1
USB device port. (SS 3 USB HDD device for REC feature)
USB port 1 and 2 support High Speed USB (USB2.0).
USB port 3 supports Super Speed USB (USB3.0)

LAN
10BASE-T/100BASE-TX connector (Depending on the operating environment of the network, connection speed may differ. 10BASE-T/100BASE-TX communication rate and communication quality are not guaranteed for this TV.)

DC IN 24 V (KD-65/55X9300D only),
DC IN 19.5 V (KD-55X8500D, FW-55X8501D only)
AC adapter input

Others

Optional accessories
Wall-Mount Bracket: SU-WL500 (KD-85/75X8500D, KD-75X9400D only)
Wall-Mount Bracket: SU-WL450 (Except KD-85/75X8500D, KD-75X9400D)
Wireless subwoofer: SWF-BR100
Camera and Microphone Unit: CMU-BR300
Active 3D Glasses: TDG-BT500A (KD-75X9400D, KD-65/55X9300D only)

Operating temperature
0 °C – 40 °C

Power and others

Power requirements
except models with supplied AC adapter
110 V - 240 V AC, 50/60 Hz
models with supplied AC adapter only
24 V DC with AC adapter (KD-65/55X9300D)
19.5 V DC with AC adapter (KD-55X8500D, FW-55X8501D)
Rating: Input 100 V - 240 V AC, 50/60 Hz

Energy Efficiency Class*2
KD-75X8500D: A+
KD-65X9300D: B
KD-65X8500D: A+
KD-55X9300D: B
KD-55X8500D: A

Screen size (measured diagonally) (Approx.)
KD-85X8500D: 85 inches /214.8 cm
KD-75X9400D: 75 inches / 189.3 cm
KD-75X8500D: 75 inches / 189.3 cm
KD-65X9300D: 65 inches / 163.9 cm
KD-65X8500D / FW-65X8501D: 65 inches / 163.9 cm
KD-55X9300D: 55 inches / 138.8 cm
KD-55X8500D / FW-55X8501D: 55 inches / 138.8 cm

Power consumption
Indicated on the rear of the TV

Power Consumption*2
In [Standard] mode
KD-75X8500D: 147 W
KD-65X9300D: 167 W
KD-65X8500D: 119 W
KD-55X9300D: 134 W
KD-55X8500D: 103 W
In [Vivid] mode
KD-75X8500D: 241 W
KD-65X9300D: 225 W
KD-65X8500D: 193 W
KD-55X9300D: 199 W
KD-55X8500D: 139 W

Average annual energy consumption*2*3
KD-75X8500D: 204 kWh
KD-65X9300D: 232 kWh
KD-65X8500D: 165 kWh
KD-55X9300D: 186 kWh
KD-55X8500D: 143 kWh

Standby power consumption*2*4*5
KD-75X8500D: 0.50 W
KD-65X9300D: 0.50 W
KD-65X8500D: 0.50 W
KD-55X9300D: 0.50 W
KD-55X8500D: 0.50 W

Display resolution
3,840 pixels (horizontal) × 2,160 lines (vertical)

Output Rating
USB 1/2: 5 V, 500 mA MAX
USB 3: 5 V, 900 mA MAX

Dimensions (Approx.) (w × h × d)

with Table-Top Stand
KD-85X8500D: 1,917 × 1,182 × 402 mm
KD-75X9400D: 1,672 × 1,017 × 327 mm
KD-75X8500D: 1,677 × 1,026 × 286 mm
KD-65X9300D: 1,458 × 891 × 275 mm
KD-65X8500D / FW-65X8501D:
1,454 × 894 × 279 mm
KD-55X9300D: 1,239 × 769 × 261 mm
KD-55X8500D / FW-55X8501D:
1,231 × 770 × 263 mm

without Table-Top Stand
KD-85X8500D: 1,917 × 1,109 × 73 mm
KD-75X9400D: 1,672 × 960 × 52 mm
KD-75X8500D: 1,677 × 969 × 49 mm
KD-65X9300D: 1,458 × 839 × 36 mm
KD-65X8500D / FW-65X8501D:
1,454 × 842 × 44 mm
KD-55X9300D: 1,239 × 717 × 36 mm
KD-55X8500D / FW-55X8501D:
1,231 × 717 × 44 mm

Mass (Approx.)

with Table-Top Stand
KD-85X8500D: 65.6 kg
KD-75X9400D: 43.2 kg
KD-75X8500D: 38.7 kg
KD-65X9300D: 32.1 kg
KD-65X8500D / FW-65X8501D: 23.9 kg
KD-55X9300D: 24.9 kg
KD-55X8500D / FW-55X8501D: 18.6 kg

without Table-Top Stand
KD-85X8500D: 60.2 kg
KD-75X9400D: 38.7 kg
KD-75X8500D: 33.4 kg
KD-65X9300D: 28.9 kg
KD-65X8500D / FW-65X8501D: 20.3 kg
KD-55X9300D: 22.0 kg
KD-55X8500D / FW-55X8501D: 15.1 kg

*1 Only on limited region/country/TV model.
*2 This information is for EU and other countries whose relevant regulation is based on EU energy labelling regulation.
*3 Energy consumption per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.
*4 Specified standby power is reached after the TV finishes necessary internal processes.
*5 Standby power consumption will increase when your TV is connected to the network.

Note
- Optional accessories availability depends on countries/region/TV model/stock.
- Design and specifications are subject to change without notice.

Notes on Digital TV function

- Any functions related to Digital TV (DVB) will only work in countries or areas where DVB-T/DVB-T2 (MPEG-2 and H.264/MPEG-4 AVC) digital terrestrial signals are broadcast. Please confirm with your local dealer if you can receive a DVB-T/DVB-T2 signal where you live.
- This TV set complies with DVB-T/DVB-T2 specifications, but compatibility with future DVB-T/DVB-T2 digital terrestrial broadcasts are not guaranteed.
- Some Digital TV functions may not be available in some countries/areas.

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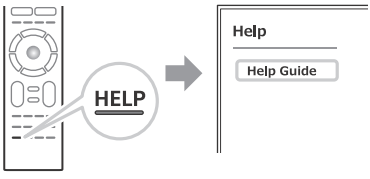
Actual resolution:
3840 x 2160 pixels.



Help Guide

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